

What is claimed is:

12, 14

Sub
1. In an office furniture arrangement having an office furniture component which is positionable in an office area to separate adjacent work areas, said office furniture component including a furniture frame and a glass panel ³⁰ which is supported on said furniture frame while permitting viewing through said glass panel, comprising the improvement wherein said glass panel comprises a sheet of glass defined by glass edges and opposite faces extending between said glass edges, said glass panel further including an edge frame having edge rail sections which extend respectively along said glass edges, at least one of said edge rails including an elongate fixing channel which extends parallel to and opens toward said respective glass edge wherein said glass edge is received within said respective fixing channel, each said fixing channel including opposite channel walls which are spaced apart and extend generally parallel to said opposite glass faces, said channel walls being formed of a rigid material which permits at least one of said channel walls to be resiliently deflectable upon insertion of said respective glass edge therein while said glass edge is in tight-fitting gripping contact with said deflectable channel wall and the other of said channel walls.

✓

2. The office furniture arrangement according to Claim 1, wherein each said deflectable channel walls includes a projection proximate a distal end thereof wherein said projection contacts an opposing one of said glass faces.

cont 103. b/cvsk
3. The furniture arrangement according to Claim 2, wherein said projection converges to a peak which said peak is disposed in direct contact with said respective glass edge, said respective glass edge being disposed in

B1
~~Part~~ compression between said peak of said deflectable channel wall and an opposing interior surface of the other of said channel walls.

7 ~~X~~ 4. The office furniture arrangement according to Claim 3, wherein at least one of said edge rails is coated with a coating material.

~~X~~ 5. The office furniture arrangement according to Claim 4, wherein said coating is a shearable material which is removable by said glass edge upon insertion of said glass edge into said respective fixing channel such that said coating conforms to a shape of said glass.

Sub ~~92~~ 6. The office furniture arrangement according to Claim 1, wherein said deflectable channel wall and said other channel wall are joined together by a side wall of said edge rail, said edge rail having undercuts formed in said side wall proximate a juncture defined between said deflectable channel wall and said side wall.

B1 cont ~~10~~ 7. The office furniture arrangement according to Claim 1, wherein said glass has a rectangular shape defined by opposite vertical edge sections and opposite top and bottom horizontal edge sections each of said vertical edge sections being supported along a vertical length thereof by one said fixing channel.

xx ~~10~~ 8. In a space-dividing wall panel having a frame that defines a periphery of said wall panel, said frame being defined by elongate frame members which are joined together to define an open interior region between said frame members, said wall panel further including a glass panel which is supported on said frame to overlie said open interior region while permitting viewing through said glass panel, comprising the improvement wherein said

Bl
cont

glass panel comprises a sheet of glass having glass edges extending about the periphery thereof and opposite faces extending between said glass edges, said glass panel further including an edge frame comprising a plurality of edge rails which said edge frame is joined to said glass to support said glass edges, at least one of said edge rails including an elongate fixing channel which extends parallel to a respective one of said glass edges and opens toward said respective glass edge to tightly receive said respective glass edge therein, each said fixing channel including opposite channel walls which are spaced apart and extend generally parallel to said opposite glass faces wherein said channel walls have opposing interior wall surfaces which abut against said opposite glass faces, at least one of said channel walls being deflectable upon insertion of said glass edge therein so that said glass edge is in gripping contact with said interior wall surfaces, said deflectable channel wall including a projection proximate a distal end thereof wherein said deflectable channel wall is spaced from said glass face adjacent said projection and is in contact with said opposing glass face through said projection.

No - 112 3

9. The wall panel according to Claim 8, wherein said projection converges to a peak which is in contact with said glass face, said respective glass edge being disposed in compression between said peak of said deflectable channel wall and the interior surface of the other of said channel walls.

11

10. The wall panel according to Claim 8, wherein said interior wall surfaces define substantially non-compressible hard surfaces.

b1
cont

11. The wall panel according to Claim 10, wherein at least one of said channel walls includes a coating thereon which said coating defines said respective interior wall surface.

X 12. The wall panel according to Claim 11, wherein said coating is a shearable material which is shearable by said glass edge upon insertion of said glass edge into said respective fixing channel such that said coating conforms to a shape of said glass face.

OK 107 w/ chn 2 b v
13. The wall panel according to Claim 8, wherein said interior wall surface of the other of said channel walls is flat so as to be in face-to-face contact with said respective opposing glass face.

107 J7 0780539
14. In a space-dividing wall panel having a frame that defines a periphery of said wall panel, said wall panel further including a glass panel which is supported on said frame, comprising the improvement wherein said glass panel comprises a sheet of glass having glass edges extending about the periphery thereof and opposite faces extending between said glass edges, said glass edges being arranged in substantially parallel edge pairs disposed on opposite sides of said glass, said glass panel further including an edge frame comprising a plurality of edge rails joined together which said edge frame is joined to said glass to support said glass edges, said glass edges of at least one of said edge pairs being supported within fixing channels defined within a corresponding pair of said edge rails, each said fixing channel extending parallel to a respective one of said glass edges and opening toward said respective glass edge to tight-fittingly receive said respective glass edge therein, each said fixing channel including opposite channel walls which are spaced apart and extend generally

SEARCHED INDEXED
SERIALIZED FILED
APR 20 1987
FBI - BOSTON

*B1
cont*

parallel to said opposite glass faces, said channel walls having opposing interior wall surfaces which are normally spaced apart a distance less than a thickness of said glass wherein at least one of said channel walls deflects outwardly upon insertion of said respective glass edge within said respective fixing channel.

Sub a 3

X15. The wall panel according to Claim 14, wherein said deflectable channel wall is spaced outwardly of said opposing glass face and includes a projection which projects toward said respective glass face and spans said space therebetween so as to contact said opposing glass face, said glass edge being disposed in gripping contact between said projection and an opposing one of said interior wall surfaces.

X16. The wall panel according to Claim 14, wherein each said fixing channel has an interior end face against which said glass edge abuts when disposed within said fixing channel, said channel end face including undercuts adjacent said deflectable channel wall so that the other of said channel walls extends away from said channel end face to a height which is less than a height of said deflectable channel wall.

6 Cont X 103

17. The wall panel according to Claim 14, wherein said glass has a vertical height and said fixing channels support said glass edges substantially along the entire vertical height of said glass.

107

18. The wall panel according to Claim 14, wherein said edge frame includes said edge rails at a bottom and a top of said glass wherein said bottom and top edge rails are fixed to said panel frame by connector parts.

*b2
Sub
50* 19. In an office furniture arrangement having an office furniture component which is positionable in an office area to separate adjacent work areas, said office furniture component including a furniture frame and a glass panel which is supported on said furniture frame, comprising the improvement wherein said glass panel comprises a sheet of glass having glass edges extending about the periphery thereof and opposite faces extending between said glass edges, said glass panel further including an edge frame comprising a plurality of edge rails which said edge frame is joined to said glass to support said glass edges, at least one of said edge rails including an elongate fixing channel which extends parallel to a respective one of said glass edges and opens toward said respective glass edge to tightly receive said respective glass edge therein, each said fixing channel including opposite channel walls which are spaced apart and extend generally parallel to said opposite glass faces wherein said channel walls have opposing interior wall surfaces which abut against said opposite glass faces, at least one of said interior wall surfaces further including ^{615 re 38 preservative/catalytic} a coating thereon which is shearable by said glass edge upon insertion of said glass edge into said respective fixing channel such that said coating conforms to a shape of said glass face and said glass edge is in gripping contact with said channel walls.

(C) X X 20. The office furniture arrangement according to Claim 19, wherein said coating is a powder coating.

X 21. The office furniture arrangement according to Claim 20, wherein said edge rails are defined by extruded metal to define said fixing channel.

C1
Cont'd

103
22. The office furniture arrangement according to Claim 19, wherein at least one of said channel walls is resiliently deflectable and is in a deflected position when said glass edge is received within said fixing channel.

103
23. The office furniture component according to Claim 22, wherein said glass has opposite vertical side edge sections, said glass edges of said side edge sections being received within said fixing channels of said edge rails wherein said edge rails extend vertically.

Patent
as